



# Wenatchee Parks and Recreation

## Policy & Procedure

### 1.0 Purpose

- 1.1 The purpose of this policy is to establish criteria for the use of rockets in park areas.

### 2.0 General Rules

- 2.1 An adult must supervise all launches.
- 2.2 Rockets must conform to the following rocket specifications:
- A. National Association of Rocketry (NAR) certified, D type or below, unaltered, commercially-made model rocket motors must be used.
  - B. Motor will not contain more than 25 grams of propellant or 20 Newton-sec (4.48 pound-seconds) of total impulse.
  - C. Rockets must be constructed using only lightweight, non-metal parts for the nose, body, and fins of the rocket. Rocket must weigh no more than one lb. (453 g) at liftoff.
  - D. The ignition system must be remotely controlled. Electrical launch system using electrical motor igniters recommended by the engine manufacturer that will ignite motor within one second of actuation of the launching switch. The launch system must have a removable safety interlock in series with the launch switch, and will use a launch switch that returns to the "off" position when released. Ignition system must be able to allow launcher to be at least 15 feet from rocket at ignition.
  - E. Rocket must contain a recovery system such as a streamer or parachute so that it returns safely and undamaged and can be flown again, and will use only flame-resistant or fireproof recovery system wadding in the rocket.
- 2.3 Rocket must be launched from a stable launch rod, tower, or rail that provides rigid guidance until the rocket has reached a speed adequate to ensure a safe flight path. Launch device must be pointed to within 10 degrees of the vertical to ensure that the rocket flies nearly straight up, and must have a blast deflector to prevent the motor's exhaust from hitting the ground.
- 2.4 Rocket will never carry live animals or material that is flammable, explosive, or harmful, as a payload.

- 2.5 Rockets will be permitted with an approved Facility Reservation Form in locations approved by the Parks and Recreation Department.
- 2.6 Any debris following the launch event will be removed and disposed of by the launch coordinator.
- 2.7 Launch participants should respect private lands adjacent to launch sites and should stay on public property to avoid trespassing on or interfering with adjacent private property.

### **3.0 Procedures**

- 3.1 The applicant will complete a Facility Reservation Form and Special Event Application.
- 3.2 The Parks and Recreation Director, or designee will review and consider the request for use and recommend approval or disapproval.
- 3.3 If approved, the applicant will meet or exceed the above referenced considerations and/or any additional conditions in the performance of the event.
- 3.4 The Parks and Recreation Advisory Board will review and update the above listed rules as needed.